

**Sent via electronic mail:** [aneta.mistak@d214.org](mailto:aneta.mistak@d214.org)

Ms. Aneta Mistak  
Assistant Director of Operations  
Township High School District 214  
2121 S. Goebbert Road  
Arlington Heights, IL 60005

**Re: Long Term Radon Testing  
Wheeling High School**

Dear Ms. Mistak:

Date: June 14, 2024

In January 2013, the Illinois Emergency Management Agency (IEMA) enacted new legislation regarding the testing of licensed Day Care Centers and Day Care Homes for Radon. The legislation requires retesting every three (3) years. Signed into law on January 1, 2010, Public Act 96-0417 recommends, requires, and/or authorizes the following action with regard to radon and schools in Illinois:

1. Recommends all Illinois school districts test their school buildings every five years.
2. Requires Illinois schools that do test for radon to report the results to the State Board of Education. The State Board of Education will then report radon test data bi-annually to the General Assembly. This data will be made public.

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At the request of Township High School District 214 (THSD214), Ramboll Americas Engineering Services, Inc. (Ramboll) retained Radon Detection Specialists, Inc. (RDS) to perform a long-term radon survey at Wheeling High School (WHS), 900 S. Elmhurst Road, Wheeling, Illinois. The radon testing included all occupied areas of the high school which previously demonstrated potentially elevated radon levels. None of the potentially elevated areas are used as a day care. Radon Detection Specialists (RDS) are licensed by the IEMA Department of Nuclear Safety (DNS) for both residential and commercial radon testing. The survey was conducted from February 20 – May 23, 2024.

Radon is an odorless, tasteless, and colorless radioactive gas that comes from the decay of naturally occurring uranium in the soil. At WHS, seven (7) passive radon detection devices (Alpha Tracks™) were deployed in four (4) locations on February 20 and retrieved on May 23, 2024, for this survey. The radon detection devices were placed in the rooms by a State of Illinois Licensed Radon Professional.

Long term radon measurements were determined to be below the United States Environmental Protection Agency (USEPA) and IEMA Action Level (AL) of 4.0 picocuries per liter (pCi/L) in one location, Room 135A. The follow-up long term testing determined radon concentrations to be above the USEPA and IEMA AL of 4.0 picocuries per liter of air (pCi/L) in one location, Room 114, where the result was 6.5 pCi/L. The radon detection devices that were deployed in Rooms 151 and 171F were missing so valid, long term, tests were not completed. Two short term radon tests have been completed in Room 151 and the average was above 4.0

pCi/L. One short term test has been completed in 171F and showed radon levels to be above 4.0 pCi/L. The second short term test was found on the floor and was therefore invalid.

Attached is the full report forwarded from Radon Detection Specialists outlining basics of radon and radon health impacts, scope of work, quality assurance plan, device results and site notes, summary, and recommendations.

If you have any questions regarding the above report, please do not hesitate to contact our office. Ramboll thanks you for the opportunity to be of continued service to THSD214.

Sincerely,

Ramboll Americas Engineering Solutions, Inc.



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Reviewed and Approved by,



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**ATTACHMENT**